

10-22-04

Cofc\$



Docket NO.: ISPH-0591

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 09/917,963 Confirmation No.: 9375
Applicant : Rosanne M. Crooke
Filed : July 30, 2001
Patent No. : 6,767,739 *B2*
Issued : July 27, 2004
TC/A.U. : 1635
Examiner : S. McGarry
Customer No. : 36441
Title : ANTISENSE MODULATION OF MICROSOMAL
TRIGLYCERIDE TRANSFER PROTEIN
EXPRESSION

Certificate
OCT 29 2004
of Correction

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 35 USC SECTION 254 & 255

The following errors were found in the above-identified patent:

- (1) Col. 2, line 28, replace "an microsomal" with -- a microsomal --.
- (2) Col. 2, line 45, replace "protein protein" with -- protein -- .
- (3) Col. 4, line 32, replace "nRNA" with -- mRNA -- .

10/26/2004 NNGUYEN2 00000113 6767739

01 FC:1811

100.00 OP

1

Express Mail No. ER635161353US

OCT 29 2004

- (4) Col. 9, line 61, replace " "ebase") with
-- "base" -- .
- (5) Col. 11, line 58, replace "5,580,731; 5,580,731;"
with -- 5,580,731; -- .
- (6) Col. 16, line 21, replace "polym" with
-- poly -- .
- (7) Col. 17, line 23 and 24, replace "comprising"
with -- comprised -- .
- (8) Col. 23, line 11, replace "Rlume" with
-- Blume -- .
- (9) Col. 32, line 23, replace "5''-O-" with
-- 5'-O- -- .
- (10) Col. 34, line 9, replace "(3.9 mL, 24.0 mmol,"
with -- (3.91mL, 24.0 mmol, -- .
- (11) Col. 35, line 49, replace "[2(2-N,N-
dimethylaminoethoxy)" with
-- [2(2-N,N-dimethylaminoethoxy -- .
- (12) Col. 36, line 1, replace "dimethylaminoethoxy)" with
-- dimethylaminoethoxy -- .
- (13) Col. 37, line 34, replace "[2-O-Me]-[2'-deoxy]-[2'-O-
Me]" with -- [2'-O-Me]--[2'-deoxy]--[2'-O-Me] -- .
- (14) Col. 42, line 36, replace "Qiagen Inc." with
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- (15) Col. 43, line 22, replace "(e.g., TAMPA," with
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- (18) Col. 45, line 8, replace "dye)" with -- dye -- .

- (19) Col. 46, line 34, replace "(5' and 3'-directions)" with -- (5' and 3' directions) -- .
- (20) Col. 46, line 47, Table 1, replace "mBNA" with -- mRNA -- .
- (21) Col. 46, line 51, Table 1, replace "% INBIB" with -- % INHIB -- .
- (22) Col. 48, line 55, Table 2, replace "% INBIB" with -- % INHIB -- .
- (23) Col. 105, lines 15-18, Claim 1, replace "1. A compound 8 to 50 nucleobases in length which specifically hybridizes with at least an 8-nucleobase portion of an active site on a nucleic acid molecule encoding microsomal triglyceride transfer protein."

With

-- 1. A compound 8 to 50 nucleobases in length which specifically hybridizes with at least an 8-nucleobase portion of an active site on a nucleic acid molecule of SEQ ID NO: 3 encoding human microsomal triglyceride transfer protein, wherein said active site is a sequence spanning nucleotides 3133 to 3152 of SEQ ID No: 3 and wherein said compound inhibits expression of said molecule encoding said protein. -- .

- (24) Col. 106, lines 24-28, Claim 13, replace " 13. A method of inhibiting the expression of microsomal triglyceride transfer protein in cells or tissues comprising contacting said cells or tissues with the compound of claim 1 so that expression of microsomal triglyceride transfer protein is inhibited."

With

-- A method of inhibiting the expression of human microsomal triglyceride transfer protein in cells or tissues in vitro comprising contacting said cells or tissues with the compound of claim 1 so that expression of human microsomal triglyceride transfer protein is inhibited. -- .

It is requested that a Certificate of Correction be issued to correct the above error in accordance with the enclosed Form PTO 1050, which is submitted herewith.

Because the errors numbered (2), (3), (6), (8) and (12) are the applicants' mistakes, a fee is due. Enclosed is a check in the amount of \$100. These errors are typographical in nature and make no substantive changes. All other errors were made by the USPTO, no fee is due for correction of these errors.

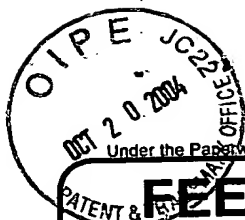
The Director of the US Patent and Trademark Office is hereby authorized to charge any deficiency in any fees due with the filing of this paper or credit any overpayment in any fees paid on the filing, or during prosecution of this application to Deposit Account No. 08-3040.

Respectfully submitted,

HOWSON AND HOWSON

Attorneys for the Applicants

BY Mary E. Bak
Mary E. Bak
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Spring House Corporate Center
Box 457
Spring House, PA 19477
Telephone: (215) 540-9210
Telefacsimile: (215) 540-5818



PTO/SB/17 (10-04v2)

Approved for use through 07/31/2006. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$100.00)

Complete if Known

Application Number	09/917,963
Filing Date	July 30, 2001
First Named Inventor	Rosanne M. Crooke et al
Examiner Name	S. McGarry
Art Unit	1635
Attorney Docket No.	ISPH-0591

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit Account Number: 08-3040
Deposit Account Name: HOWSON AND HOWSON

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 430	2252 215	Extension for reply within second month	
1253 980	2253 490	Extension for reply within third month	
1254 1,530	2254 765	Extension for reply within fourth month	
1255 2,080	2255 1,040	Extension for reply within fifth month	
1401 340	2401 170	Notice of Appeal	
1402 340	2402 170	Filing a brief in support of an appeal	
1403 300	2403 150	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,370	2453 685	Petition to revive - unintentional	
1501 1,370	2501 685	Utility issue fee (or reissue)	
1502 490	2502 245	Design issue fee	
1503 660	2503 330	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 790	2809 395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395	For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) Certificate of Correction

100.00

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$100.00)

SUBMITTED BY

Name (Print/Type)	Mary E. Bak	Registration No. (Attorney/Agent)	31,215	Telephone	215-540-9200
Signature	Mary E. Bak	Date	October 21, 2004		

(Complete if applicable)

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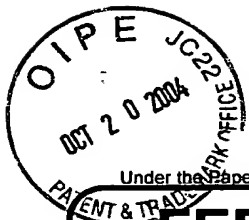
This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Filing Date	July 30, 2001
First Named Inventor	Rosanne M. Crooke et al
Examiner Name	S. McGarry
Art Unit	1635
Attorney Docket No.	ISPH-0591

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

08-3040

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The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee
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Other fee (specify) Certificate of Correction			100.00

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 100.00

SUBMITTED BY

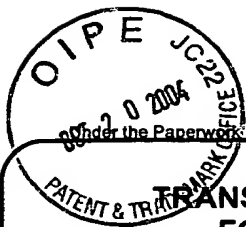
Name (Print/Type)	Mary E. Bak	Registration No. (Attorney/Agent)	31,215	Telephone	215-540-9200
Signature	<i>Mary E. Bak</i>	Date	October 21, 2004		

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/917,963	
	Filing Date	July 30, 2001	
	First Named Inventor	Rosanne M. Crooke et al	
	Art Unit	1635	
	Examiner Name	S. McGarry	
Total Number of Pages in This Submission	9	Attorney Docket Number	ISPH-0591

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): \$ pp. request for cert. of correction \$ pp. Forms PTO-1050
Remarks Express Mail No. ER635161353US Customer No. 36441		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	HOWSON AND HOWSON Mary E. Bak
Signature	<i>Mary E. Bak</i>
Date	October 21, 2004

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name			
Signature		Date	

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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INVENTOR(S) : Rosanne M. Crooke

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Spring House Corporate Center
Box 457
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PATENT NO: 6,767,739

No. of additional

Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box, 1450, Alexandria, VA 22313-1450.
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 Spring House Corporate Center
 Box 457
 Spring House, PA 19477

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with

1. A compound 8 to 50 nucleobases in length which specifically hybridizes with at least an 8-nucleobase portion of an active site on a nucleic acid molecule of SEQ ID NO: 3 encoding human microsomal triglyceride transfer protein, wherein said active site is a sequence spanning nucleotides 3133 to 3152 of SEQ ID NO: 3 and wherein said compound inhibits expression of said molecule encoding said protein. -- .

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OCT 29 2004

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 6,767,739 *B2*
DATED : July 27, 2004
INVENTOR(S) : Rosanne M. Crooke

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(24)Col. 106, lines 24-28, Claim 13, replace " 13. A method of inhibiting the expression of microsomal triglyceride transfer protein in cells or tissues comprising contacting said cells or tissues with the compound of claim 1 so that expression of microsomal triglyceride transfer protein is inhibited."

With

-- A method of inhibiting the expression of human microsomal triglyceride transfer protein in cells or tissues in vitro comprising contacting said cells or tissues with the compound of claim 1 so that expression of human microsomal triglyceride transfer protein is inhibited. -- .

MAILING ADDRESS OF SENDER:

PATENT NO: 6,767,739

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